

ELECTRONICS TECHNOLOGY (GENERAL ELECTRONICS) - ASSOCIATE OF APPLIED SCIENCE

(65 credits)

A Suggested Plan of Study

The contents of this roadmap may vary depending on initial student placement in mathematics and English. This is only a suggested plan of study for students, and is not intended as a contract. Individual student academic plans may vary. Please contact your academic advisor to create a plan that works for you. Course availability may vary from fall to spring semester and may be subject to modification or change.

NOTE: Students must earn a final grade of C- or better in all required ELT courses/Technical Requirements and achieve a cumulative grade-point average of at least 2.0. A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses.

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 65 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Semester 1	Credits
FALL	
Choose one from the following:	4
MATH 1250G Trigonometry & Pre-Calculus ²	
ELT 120 Mathematics for Electronics ^{1,2}	
ELT 110 Electronics I	4
ELT 155 Electronics CAD and PCB Design	3
ELT 175 Soldering Practices	3
ELT 225 Computer Applications for Technicians	3
Credits	17

Semester 2	Credits
SPRING	
Area I: Communications - English Composition Level 1	4
ENGL 1110G Composition I	
General Education Elective - Area I: Communications - Choose one from the following:	3
COMM 1115G Introduction to Communication	
COMM 1130G Public Speaking	
ENGL 2210G Professional & Technical Communication	
ELT 135 Electronics II	4
ELT 160 Digital Electronics I	4
Credits	15

Semester 3	Credits
SUMMER	
Area IV: Social/Behavioral Sciences	3
PSYC 1110G Introduction to Psychology or SOCI 1110G or Introduction to Sociology	
Area V: Humanities - Choose one from the following (or any other approved Area V course in the NMSU/DACC Catalog):	3
ENGL 1410G Introduction to Literature	
ENGL 2310G Introduction to Creative Writing	

ENGL 2520G	Film as Literature	
ENGL 2650G	World Literature I	
HIST 1110G	United States History I	
HIST 1120G	United States History II	
HIST 1130G	World History I	
HIST 1140G	World History II	
HIST 1150G	Western Civilization I	
HIST 1160G	Western Civilization II	
HIST 2245G	Islamic Civilizations to 1800	
HIST 2246G	Islamic Civilizations since 1800	
HIST 2250G	East Asia to 1600	
HIST 2251G	East Asia since 1600	
PHIL 1115G	Introduction to Philosophy	
PHIL 1120G	Logic, Reasoning, & Critical Thinking	
PHIL 1140G	Quest for God	
PHIL 1145G	Philosophy, Law, and Ethics	
PHIL 2110G	Introduction to Ethics	
PHIL 2230G	Philosophical Thought	

Credits 6

Semester 4

FALL

ELT 205	Semiconductor Devices	4
ELT 215	Microprocessor Applications I	4
ELT 220	Electronic Communication Systems	4
ELT 235	Digital Electronics II	3
Choose one from the following:		1
ELT 265	Special Topics	
OECS 101	Computer Basics	
OETS 102	Career Readiness Certification Preparation	

Credits 16

Semester 5

SPRING

Area VI: Creative and Fine Arts - Choose one from the following (or any other approved Area VI course in the NMSU/DACC Catalog):		3
ARTH 1115G	Orientation in Art	
ARTH 2110G	History of Art I	
ARTH 2120G	History of Art II	
ARTS 1145G	Visual Concepts	
DANC 1110G	Dance Appreciation	
MUSC 1110G	Music Appreciation: Jazz	
MUSC 1130G	Music Appreciation: Western Music	
THEA 1110G	Introduction to Theatre	
ELT 240	Introduction to Photonics	4
ELT 260	Instrumentation Control and Signal Conditioning	4

Credits 11

Total Credits 65

1

While ELT 120 Mathematics for Electronics meets program requirements, it does not meet the NM General Education Area II: Mathematics requirements.

2

MATH 1250G Trigonometry & Pre-Calculus is recommended for students pursuing the Transfer Track.

ELT 120 Mathematics for Electronics is recommended for students pursuing the Career Track.